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Quality Engineering Test Report

SERIES: DLW05B 5W DC-DC DUAL OUTPUT CONVERTER

SAMPLE:

A.DLW05B-05	V1:+5V / 500mA V2: -5V / 500mA
B.DLW05B-12	V1:+12V / 208mA V2: -12V / 208mA
C.DLW05B-15	V1:+15V / 167mA V2: -15V / 167mA

NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT
1	DC INPUT VOLTAGE RANGE	I/P:TESTING SPEC: 18~36VDC O/P:FULL LOAD	A:11~36VDC	P
2	LINE REGULATION	I/P: 18~36VDC SPEC:0.2% O/P: FULL LOAD	A:V1: -0.2%~+0% V2: -0.2%~+0% B:V1: -0%~+0% V2: -0%~+0% C:V1: -0%~+0% V2: -0%~+0%	P
3	LOAD REGULATION	I/P: 24VDC SPEC: ±2% O/P:MIN. TO FULL LOAD	A:V1: -0%~+0% V2: -0%~+0% B:V1: -0%~+0% V2: -0%~+0% C:V1: -0%~+0.1% V2: -0%~+0%	P
4	OUTPUT VOLTAGE TOLERANCE	I/P: 18~36VDC SPEC: NONE O/P:MIN. TO FULL LOAD	A:V1: -3.4%~+3.8% V2: -3.4%~+4.0% B:V1: -1.2%~+1.2% V2: -1.3%~+1.2% C:V1: -1.2%~+0.9% V2: -1.4%~+0.6%	P
5	RIPPLE & NOISE	I/P: 24VDC SPEC: 100mV O/P:FULL LOAD	A:V1:30mV V2:30mV B:V1:20mV V2:20mV C:V1:10mV V2:10mV	P
6	DC INPUT CURRENT	I/P: 24VDC SPEC: NONE O/P:FULL LOAD	A:0.27A	P
7	OVER LOAD PROTECTION	I/P: 24VDC SPEC: NONE O/P:TESTING	A:184% B:195% C:225%	P
8	O/P VOLTAGE ACCURACY	I/P: 24VDC SPEC: ±2% O/P:MIN. LOAD	A:V1:-0.2% V2:-0.2% B:V1:+0.8% V2:+0.8% C:V1:-0.4% V2:-0.6%	P

NEXT

<table>
<tr><th>NO</th><th>TEST ITEM</th><th>TEST CONDITION / SPECIFICATION</th><th>RESULT</th><th>VERDICT</th></tr>
<tr><td>9</td><td>SET UP TIME</td><td>I/P:24VDC SPEC: NONE
O/P:FULL LOAD</td><td>A:8.9mS</td><td>P</td></tr>
<tr><td>10</td><td>EFFICIENCY</td><td>I/P: 24VDC SPEC: 73%
O/P:FULL LOAD</td><td>A:77.1%
B:80.2%
C:78.0%</td><td>P</td></tr>
<tr><td>11</td><td>INSULATION RESISTANCE</td><td>SPEC:I/P--O/P 500VDC/1000M Ohms MIN.</td><td>A:I/P--O/P >100M Ohms</td><td>P</td></tr>
<tr><td>12</td><td>DIELECTRIC / WITHSTAND VOLTAGE</td><td>SPEC: I/P-- O/P: 1000VDC/ 1 min
(10mA CUT-OFF)</td><td>A:NO BREAK
I/P--O/P :<0.02mA</td><td>P</td></tr>
<tr><td>13</td><td>BURN-IN TEST</td><td>I/P:24VDC O/P:FULL LOAD
TA:24 °C BURN-IN DURATION : 2 hrs</td><td>A:NO BREAK
B:NO BREAK
C:NO BREAK</td><td>P</td></tr>
<tr><td>14</td><td>TEMPERATURE RISE TEST T rise OF PARTS</td><td colspan="2">A:I/P :24VDC AFTER 4 hrs BURN-IN
O/P :FULL LOAD TA:24 °C
<table>
<tr><th>POSITION</th><th>SAMPLE</th><th>TEMP</th><th>T rise</th></tr>
<tr><td>CASE</td><td>DLW05B-05</td><td>39.4°C</td><td>15.4°C</td></tr>
</table></td><td>P</td></tr>
<tr><td>15</td><td>CONSTRUCTION INSPECTION (FOR QC INSPECTION REFERENCE ONLY)</td><td colspan="2">A: 1. PACKING : 上下夾泡棉外加紙盒包裝
2. MARKING : MODEL
3. MECHANICAL : SIX-SIDED SHIELD METAL CASE
4. DIMENSIONS : WXHXD=50.8X11.27X25.4mm, PIN : 1.0 ∅x8.3mm</td><td></td></tr>
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DATE	SAMPLE	TEST RESULT	TEST	APPROVAL
1998.12.04	DLW05B-05 DLW05B-12 DLW05B-15	PASS	T.K.CHENG	MAX LIN

PREVIOUS